

WHAT IS CLAIMED IS:

1. A polyoxymethylene resin composition which comprises (I) 100 parts by weight of a polyoxymethylene polymer and (II) 1-200 parts by weight of a thermoplastic elastomer having a main dispersion peak temperature of -30°C to $+50^{\circ}\text{C}$ in a $\tan \delta$ curve obtained by the measurement of viscoelasticity and having a number average molecular weight of 10,000 - 500,000.
2. A polyoxymethylene resin composition according to claim 1, wherein $\tan \delta$ of the thermoplastic elastomer which is obtained by the measurement of viscoelasticity at 23°C is not less than 0.2.
3. A polyoxymethylene resin composition according to claim 1, wherein the polyoxymethylene polymer is a polyoxymethylene copolymer having oxymethylene groups as main recurring units and containing oxyalkylene groups having 2 or more carbon atoms in an amount of 0.1 - 5 mole % based on the total oxymethylene groups.
4. A polyoxymethylene resin composition according to claim 1, wherein the thermoplastic elastomer is a styrene elastomer.
5. A polyoxymethylene resin composition according to claim 4, wherein the styrene elastomer comprises a polymer segment (a) comprising a vinyl aromatic monomer having a number average molecular weight of not less than 2,500 and a polymer segment (b)

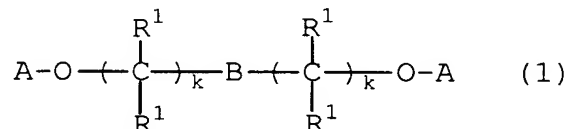
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FOOTNOTES CONTAINED

comprising isoprene or isoprene-butadiene and containing not less than 20% of 3,4-bonds and 1,2-bonds.

6. A polyoxymethylene resin composition according to claim 5, wherein the styrene elastomer has at least two polymer segments (a).

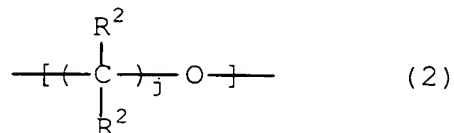
7. A polyoxymethylene resin composition according to claim 1, wherein the polyoxymethylene polymer is a polyoxymethylene block polymer obtained by chain transferring a polymer containing at least one of hydroxyl group, carboxyl group, amino group, ester group and alkoxy group and having a number average molecular weight of not less than 400.

8. A polyoxymethylene resin composition according to claim 1, wherein the polyoxymethylene polymer is an polyoxymethylene block copolymer represented by the following formula (1) which has a number average molecular weight of 10,000 - 500,000 and comprises a polyacetal segment and a hydrogenated polybutadiene segment hydroxyalkylated at both ends having a number average molecular weight of 500 - 10,000:

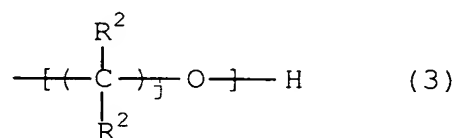


where A is a polyacetal copolymer residue and comprises 95 - 99.9 mole % of oxymethylene units and 0.1 - 5

mole % of oxyalkylene units represented by the following formula (2):



where R^2 is independently selected from the group consisting of hydrogen, an alkyl group, a substituted alkyl group, an aryl group and a substituted aryl group, and j is an integer selected from 2 to 6, the terminal group being represented by the following formula (3):

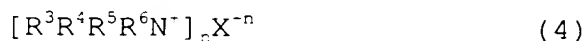


where R^2 and j have the same meanings as defined above,

~~B is a hydrogenated polybutadiene having an iodine value of 20 g - I_2 /100 g or less and containing 2 - 98 mole % of 1,2-bonds and 2 - 98 mole % of 1,4-bonds, said 1,2-bonds and 1,4-bonds being present either randomly or in block form, R^1 is independently selected from the group consisting of hydrogen, an alkyl group, a substituted alkyl group, an aryl group and a substituted aryl group, and k is an integer selected from 2 to 6 where two k s are the same or different from each other.~~

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9. A polyoxymethylene resin composition according to claim 1, wherein the polyoxymethylene polymer is a polyoxymethylene polymer whose thermally unstable terminal groups are stabilized by treating with at least one quaternary ammonium compound represented by the following formula (4):



where R^3 , R^4 , R^5 and R^6 independently represent an unsubstituted or substituted alkyl group having 1 - 30 carbon atoms; an aryl group having 6 - 20 carbon atoms; an aralkyl group consisting of an unsubstituted or substituted alkyl group having 1 - 30 carbon atoms with at least one aryl group having 6 - 20 carbon atoms as a substituent; or an alkylaryl group consisting of an aryl group having 6 - 20 carbon atoms with at least one unsubstituted or substituted alkyl group having 1 - 30 carbon atoms as a substituent; and the unsubstituted or substituted alkyl group is straight, branched or cyclic; hydrogen atom of the unsubstituted alkyl group, aryl group, aralkyl group and alkylaryl group may be substituted by halogen; n is an integer of 1 - 3; and X represents a hydroxyl group or a residue of carboxylic acid having 1 - 20 carbon atoms, a hydroacid, an oxoacid, an inorganic thio acid or an organic thio acid having 1 - 20 carbon atoms.

10. A polyoxymethylene resin composition according to claim 1, which additionally contains (III) 0.1 - 30 parts by weight of a lubricant and/or (IV) 1 -

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100 parts by weight of a polyolefinic resin based on
100 parts by weight of the polyoxymethylene polymer.

11. A polyoxymethylene resin composition
according to claim 10, wherein the lubricant is a
silicone-grafted polyolefinic resin.

12. A polyoxymethylene resin composition
according to claim 11, wherein the polyolefinic resin
of the silicone-grafted polyolefinic resin is at least
one resin selected from the group consisting of a low
density polyethylene, a linear low density
polyethylene, an ethylene-vinyl acetate copolymer, an
ethylene-methyl methacrylate copolymer and an ethylene-
ethyl acrylate copolymer.

13. A polyoxymethylene resin composition
according to claim 10, wherein the polyolefinic resin
is a polyolefinic resin modified with an unsaturated
carboxylic acid or an acid anhydride thereof.

14. A molding obtained by injection molding, gas-
assist injection molding or extrusion molding the
polyoxymethylene resin composition described in any one
of claims 1-13, and, if necessary, subjecting the
resulting molding to cutting process.

15. A molding according to claim 14, which is at
least one member selected from the group consisting of
a mechanical working component, an outsert molded resin
component, a chassis, tray and a side plate.

16. A molding according to claim 15, wherein the
mechanical working component is at least one member

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selected from the group consisting of gears, cams, sliders, levers, arms, clutches, joints, shafts, bearings, key stems, key tops, shutters and reels.

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